Xebia
SOFTWARE DEVELOPMENT **DONE RIGHT**

RETAIL EFFECTIVENESS WITH CLOUD SOLUTION

Business

Challenge

Solution

Leading American Clothing Company

Basic Implementation of AWS Cloud with no CI/CD in place

Complete overhaul of AWS ecosystem with automation

THE NEED...

- Simplification of current AWS architecture
- Automation of current AWS ecosystem

- Implementation of CI/CD for application on AWS
- Improving data backup, retention strategy & policies

- Addition of security scan tooling on cloud
- Kick off cloud optimization initiatives & cost control policies based on resource usage alarms

HOW WE DID IT

Revamping the entire Cloud Strategy

- Right sizing of network CIDRs, implemented one Amazon VPC per environment used Transit Gateways to establish connectivity with an on premise datacenter as well as other cloud networks
- Implemented a secondary secured connectivity layer (Direct Connect) between AWS other cloud networks
- Automated infrastructure provisioning of AWS resources using common modules in Terraform
- Implemented CI/CD pipeline for every application on AWS using Jenkins, build tools (Apache Maven, Gradle, NPM), Docker security tools (Clair, Snyk)
- Implemented Qualys, Laceworks, CloudCheckr RedLock with a security monkey adherence to CIS standards to ensure optimum Cloud security standards
- Analyzed cost analysis for every newly on boarded project, mandatory resource tagging to check on going costs used RI Savings Plan for absolute cost control
- Executed fully resilient stateless containerized microservices on clustered (cloud specific Kubernetes) or serverless infrastructure

TECHNOLOGY BENEFITS

- AWS first architecture using services on EC2, ECR, EKS, ECS, Lambda functions, S3 Glacier and many more
- Huge savings in cloud cost
- Automated deployments
- Low noise alerting using AWS CloudWatch and Grafana

Improving Productivity by Cloud Automation

01

Faster Onboarding of New services, helping in **quicker release of critical end user functionalities**

Single Click Deployment of Services on **AWS Cloud Platform**

02

Stable production Environment resulting in better customer experience

Reduced incidents in Production by 80 % **& increased network reliability** (2x)

03

Better ROI

Saved 35% in cloud costs (Reserved & SPOT EC2, rightsizing resources, matching storage need & increasing elasticity)

Tech Enabled Business Impact

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South Africa

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Pune (India)

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Dubai (UAE)

Jakarta (Indonesia)

Sydney (Australia)

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